



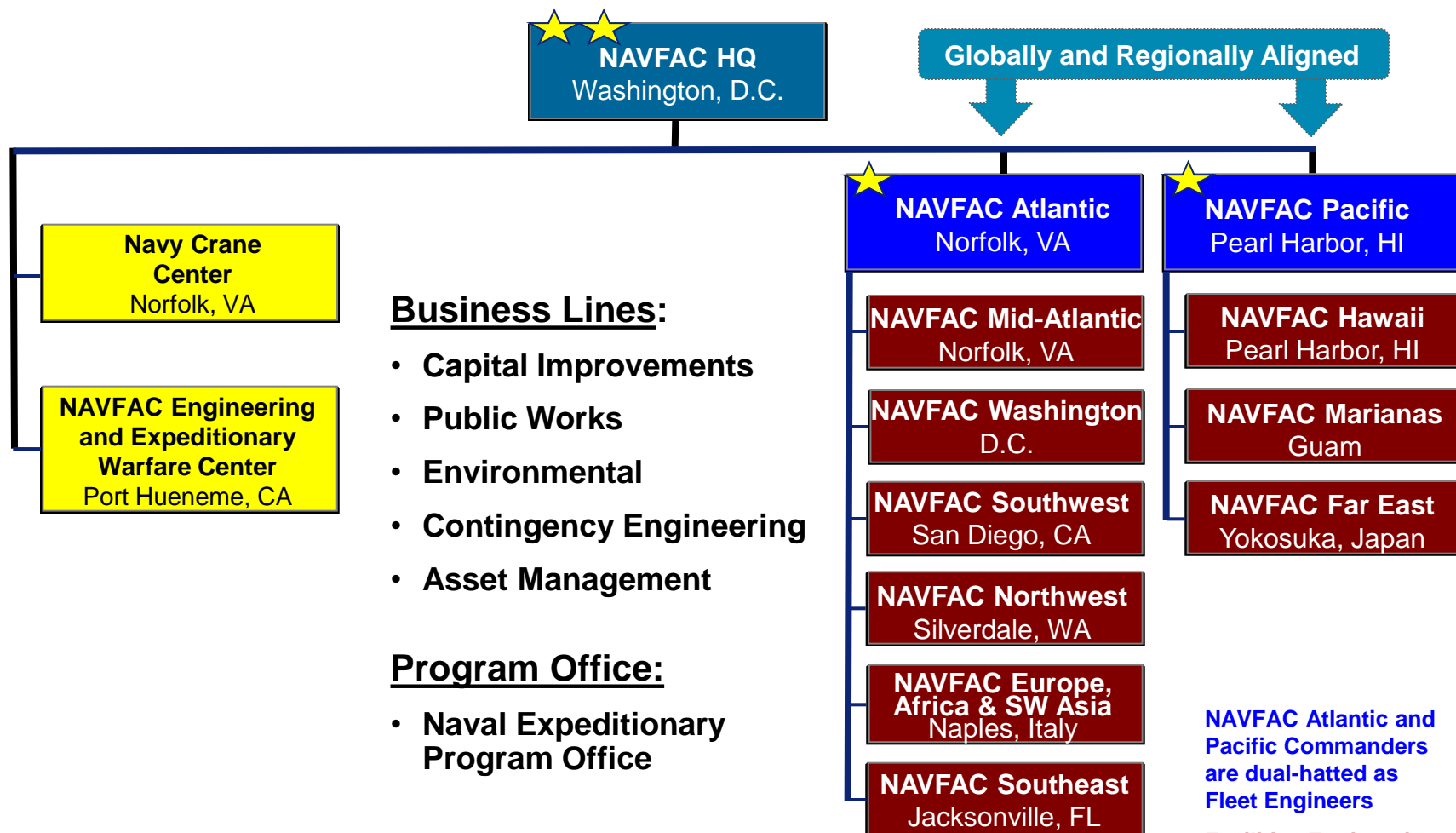
Chief Engineer Update

AGC-NAVFAC Meeting

12 May 2015

Joseph E. Gott, P.E.
Chief Engineer, and
Director, Capital Improvements

NAVFAC Organization Structure



*We are the Navy's facilities engineering professionals.
Fleet, Fighter and Family focused; innovative; surge enabled;
ever faster; and committed to continuous cost reduction.*

NAVFAC Atlantic and Pacific Commanders are dual-hatted as Fleet Engineers

Facilities Engineering Commanders are dual-hatted as Regional Engineers

Recent DON MILCON Budget History



- **BLUF: Budget uncertainty impacting project planning and execution**
- **FY14**
 - PB14 submit = \$1,733M
 - Appropriation = \$1,659M
- **FY15**
 - Prior Year carryover = \$1,125M
 - PB15 submit = \$1,070M
 - Appropriation = \$1,136M
- **FY16**
 - PB16 submit = \$1,705M
 - 50% increase (SRM increased 30%)
 - Makes progress towards a more sustainable investment profile
 - Continuation at PB15 levels would lead to rapid deterioration of shore readiness
 - Assumes DOD won't be held to 2011 Budget Control Act discretionary budget caps

FY16 Department of Navy PresBud Submit MILCON Highlights



- **FY16 MCON Request \$1.705B**

- **58% Blue Navy, 42% USMC**
- **50% higher than FY15 appropriation (\$1.136B)**

FY16	MCON	MCNR	TOTAL	%
USN	\$ 972M	\$14M	\$ 986M	58%
USMC	\$ 697M	\$22M	\$ 719M	42%
Total	\$1,669M	\$36M	\$1,705M	

- **Program focused on targeting investments to provide maximum readiness in support of current and future mission requirements:**
 - **Supporting new mission and new system requirements and restationings**
 - **Combatant Commander support**
 - **Recapitalization of shipyards and other critical shore infrastructure**
 - **Utilities infrastructure improvements**
 - **Improve safety, security & environmental compliance posture**
 - **Qualify of life improvements**
- **FY16 Family Housing Construction \$12M**
- **FY16 BRAC \$157M**

FY 16 MILCON Workload

(MCON, MCNR, Family Housing, Defense)



CATEGORY	% WORKLOAD
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Maintenance & Production	18%
Unaccompanied Personnel Housing	10%
Land Operational Facilities	25%
Utilities, Land, & Site Improvements	13%
Administrative	3%
Waterfront Operational Facilities	3%
Training Facilities	15%
Community Facilities	1%
Medical Facilities	6%
Other	6%

COMPONENT	% WORKLOAD
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Southwest	15%
Mid-Atlantic	28%
Marianas	12%
Southeast	7%
Washington	5%
Europe	14%
Hawaii	13%
Northwest	3%
Far East	3%

FY 15 SRM Projects (Navy)



- **Planned awards \$578M**

FEC	No. Projects	Amount (\$M)
EUR	13	12
ML	30	217
NW	16	90
SE	36	103
SW	21	75
WASH	10	5
FE	22	22
HI	9	25
MAR	12	29
TOTAL	169	578

Project Types

—BQs	\$52M
—Dredging	\$29M
—Building / Facility Repairs	\$226M
—Energy	\$103M
—Wharf / Pier / Shipyard Repair	\$168M

FY 15 SRM Projects (USMC)



- **Planned awards \$387M**

FEC	No. Projects	Amount (\$M)
EUR	0	0
ML	115	110
NW	0	0
SE	9	13
SW	119	138
WASH	16	22
FE	30	74
HI	17	30
MAR	0	0
TOTAL	306	387

Project Types

—Demo	\$25M
—Energy EIP	\$7M
—Enviro	\$1.5M
—Sustainment / Repair	\$353M

2015 Capital Improvements Initiatives

Cost - Schedule - Productivity



- Acquisition Strategy (use of LPTA and DB delivery)
- Customer-Requested (CREQ) Changes Policy
- Energy and Sustainability
- Unified Facilities Guide Specs (UFGS) for Schedules
- Partnering Process
- Building Information Management
- Electronic Construction Management System
- Ultra-Lean Process for Mods \leq \$150K (COAR)

Acquisition Strategy



- **Demand Signal – fiscally constrained environment**

- Maximize readiness - Shore investments focus on mission and life cycle cost
- Designers provide the min. facility requirement to meet mission
- Lowest initial cost and meet technical requirements - LPTA
- Sustainability & energy costs must provide lowest Total Ownership Cost
- Capability and appearance needs to match fiscal climate

- **Product Delivery**

- Design-Build remains primary vehicle for DON MILCON (60% goal)
- Full plans and specifications (40% goal)
- Other MILCON and O&M dependent on project specific requirements
- Best Value Source Selection, includes LPTA

Customer Requested (CREQ) Changes

Cost - Schedule - Productivity



- **Policy applies to all CREQ mods initiated after March 31, 2015**
- **Requesting activity certify CREQ is “in the best fiduciary interest”**
- **Increasing approval levels commensurate with impact to contracts**
- **CREQs after 75% construction completion are highly discouraged**

Energy & Sustainability



- **Building Energy**

- ASHRAE 90.1-2010 (Design start after 7/9/2014)
- Energy Technology Matrix
<https://portal.navfac.navy.mil/portal/page/portal/ci/energy>

- **Sustainable Design**

- UFC 01-200-02: High Performance and Sustainable Building Requirements
 - Integrated design (planning, design, and performance)
 - Reduce total ownership cost
 - Greater energy efficiency and water conservation
 - Energy and water security
 - Cost effective building-level renewables
 - Life cycle cost effective components of ASHRAE 189.1
- 3rd party certification to verify performance

Scheduling Improvements



- **Streamlined UFGS based on project complexity and not dollar threshold**
 - **UFGS 01 32 16 - Small Projects Construction Progress**
 - Allows Primavera P6, Microsoft Project, or Bar Chart
 - **UFGS 01 32 17 - Cost-Loaded Network Analysis Schedule**
 - Submit using Primavera P6 (minimal changes to reflect new P6 version)
- **Provides clarity on what needs to be included in Time Impact Analysis (TIA), including narrative and fragnet format, needed to justify time extensions**
- **Established construction scheduling experts at each FEC to assist with schedule reviews**

Construction Partnering Process



- **NAVFAC streamlined its partnering process in 2011**
 - Formal (facilitated): > \$15M or high risk, high visibility, technically complex
 - Informal (partnering tool kit at precon/PAK): ≤ \$15M
- **Resources**
 - NAVFAC Partnering Tool Kit (informal partnering) issued to every FEC
 - https://totalforcetraining.navfac.navy.mil/navfac_partnering/facilitation/default.asp
 - Training for CMs, facilitation tools (video sessions, templates, charters)



- **Be “fair” to the contract**
 - “Partnering” does not mean “disregard the terms of contract” (safety/quality)
- **Feedback**

BIM - Building Information Management and Modeling



- **NAVFAC Engineering & Construction Bulletin**
 - Implementation policy and guidance
 - Require use of eOMSI & O&M Data specs
 - Require FC 1-300-09 N Design Procedures for BIM Requirements (posted on WBDG)
 - Training requirements complete by end of FY15
- **Required for all Blue Navy (\$ threshold changing in FY16)**
 - New construction > \$1.0M
 - Major renovation > \$3.0M (or > 50% Plant Replacement Value)
- **Phased Implementation**
 - Contract deliverables to Navy Public Works (FY14/15)
 - eOMSI Manuals (Optional for Army, AF, & USMC)
 - Facility Data Workbook (FDW)
 - BIM modeling requirements (FY16)

Electronic Construction Management System (eCMS)



- **NAVFAC is aggressively pursuing an eCMS to improve cost, schedule, and productivity on construction and facilities support contracts**
- **NAVFAC is looking at software/hosting requirements**
 - DoN CIO Information Assurance requirements for cyber security
- **Project thresholds (Update UFGS 01 31 23 NAVFAC eCMS)**
 - Greater than \$150K: Required
 - Less than or equal to \$150K: Optional
- **NAVFAC recognizes potential impact of KTRs using multiple systems**
 - Need to minimize the impact
 - On-line training available prior to deployment
 - Need KTR support to ensure success
- **Target deployment in early FY16 (detailed announcement this summer)**

Ultra Lean Process for Contract Modifications

(Mods) \leq \$150K



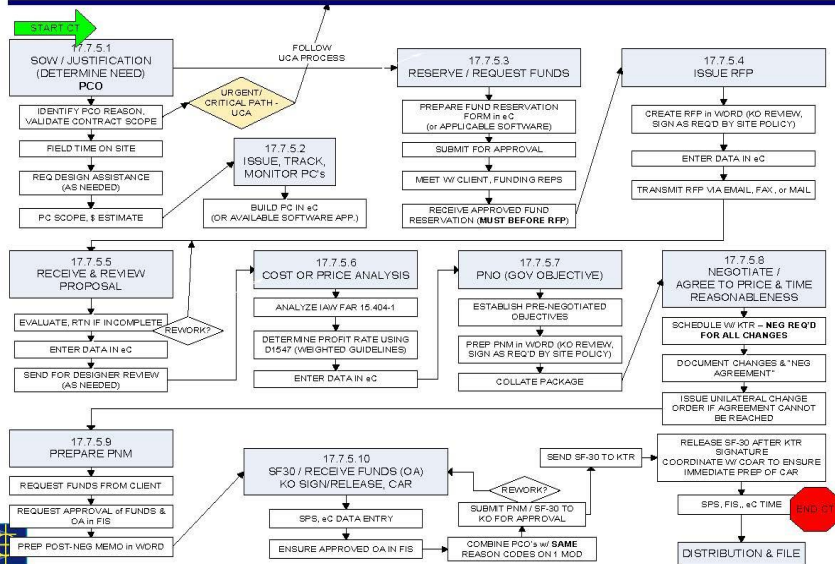
- **NAVFAC recognized excessive processing times for mods**
 - Contract delays, extended overhead
 - Multiple internal steps, fair and reasonable, anti-deficiency act, etc.
 - Pre-Negotiation Objective
 - Post-Negotiation Memo
 - Reservation of funds
- **In early 2000s, NAVFAC developed ultra lean mod process**
 - CMs as Contracting Officer's Authorized Rep (COAR) to negotiate
 - Detailed government estimate not required at or below SAT (FAR)
 - Four steps
 - Scope/Pricing/PNM – one-stop shopping
 - Concise, handwritten PNM format
 - May issue RFPs without reservation of funds
 - RFP developed in field (if possible)

We need to re-institute our Ultra-Lean Mod Process using COARs

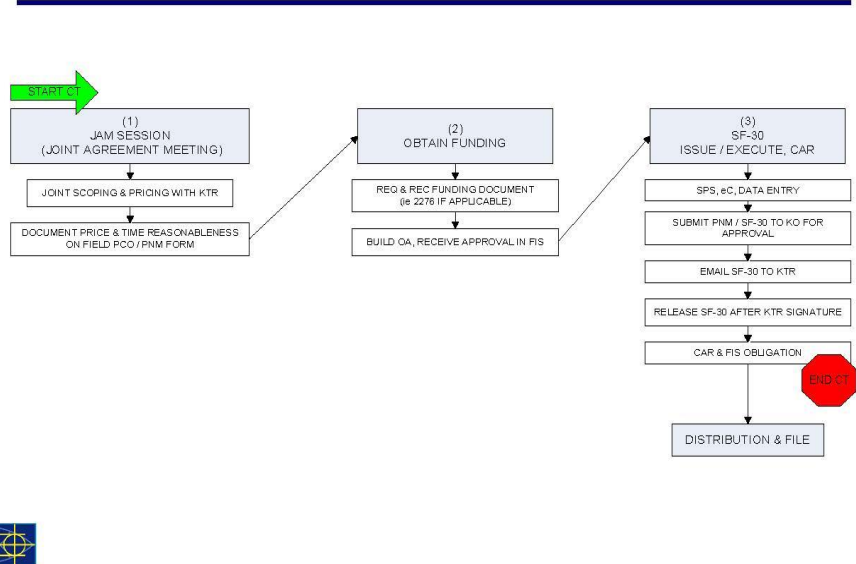
Ultra Lean Process for Contract Modifications (Mods) ≤ \$150K



OLD PROCESS



ULTRA LEAN PROCESS



MILCON Project Solicitation & Award Forecast



Office of Small Business Programs

Enter Query

Employees Client View Map

ABOUT US CONTACT US OPPORTUNITIES ACHIEVEMENTS PROGRAMS

Office of Small Business Programs > Opportunities > Acquisition Strategies & Forecasts

Contracting Guidelines

Subcontracting Opportunities

Regional Opportunities

Acquisition Strategies & Forecasts

WOSB Directory

SDVOSB Directory

Public Presentations

Acquisition Strategies & Forecasts

****Note NAVFAC Midwest is being disestablished effective 30 September, 2014. Please direct all inquiries concerning any Midwes contracts in any of the below reports to the NAVFAC Midlant Deputy. He can be reached reached at 757-341-0092.****

NAVFAC Long Range Acquisition Forecast (LRAF)

DISCLAIMER United States Code Title 15, Section 637 (A) (12) (C), requires the Department of the Navy to prepare a forecast of expected contract opportunities for the next and succeeding fiscal years and make the forecast available to small businesses. We fulfil the requirement by publishing this Long Range Acquisition Forecast (LRAF) and updating the information on an annual basis. The LRAF contains NAVFAC Indefinite Delivery/Indefinite Quantity (IDIQ) requirements that are forecasts for the upcoming and next two fiscal years. The forecast is for informational marketing purposes only. It does not constitute a specific offer of commitment by the Navy to fund, in whole or in part, the opportunities referenced herein. This listing is not all inclusive and is subject to change. ~~Updated 12FEB15~

NAVFAC Military Construction (MILCON) Forecast

This document is in PDF format. It will typically be updated on a monthly basis prior to the 15th. This forecast is for advance planning only. See FEDBIZOPS for actual solicitations. ~~Updated 10MAR2015~~

NAVFAC Environmental Projects and Planning

This list provides the FY15-17 Environmental Contract Forecast, both existing and proposed contracts. This forecast strives to make the best contractual solutions available to meet the full range of the Environmental Business Line and clients needs. This is in compliance with 15 USC Section 6371 (1)(12)(C) and for planning and informational purposes only and may not be all inclusive. See Federal Business Opportunities (FEDBIZOPS) and/or Navy Electronic Commerce Online (NECO) for official announcements, information, and requirements. Contact the Responsible Activity's Contracting Officer for official information.

FY15/16 MILCON Projects

FY 15 MCON, MCNR, Family Housing, Defense Projects



<u>Location/Installation</u>	<u>Description</u>	<u>Cost</u>	<u>Design Level</u>
ANDERSEN GUAM US NAVSUPACT	DPRI-GSE SHOPS AT NORTH RAMP	21,880,000	DB
ANDERSEN GUAM US NAVSUPACT	DPRI-MWSS FACILITIES AT NORTH RAMP	28,771,000	DB
ANDERSEN GUAM US NAVSUPACT	PRTC - COMBAT COMMUNICATIONS INFRASTRUCTURE FAC	4,300,000	DB
ANDERSEN GUAM US NAVSUPACT	GUAM STRIKE FUEL SYSTEMS MAINT HANGAR (INCREMENT 2)	64,000,000	DBB
ANDERSEN GUAM US NAVSUPACT	PRTC SATELLITE FIRE STATION	6,500,000	DB
ANDERSEN GUAM US NAVSUPACT	PRTC - RED HORSE LOGISTICS FACILITY	3,150,000	DB
ANDREWS AFB MD	CONSTRUCT HYDRANT FUEL SYSTEM	18,300,000	DBB
ANNAPOLIS MD NAVSUPPACT	CYBER SECURITY STUDIES BUILDING	120,112,000	DB
BAHRAIN NAVSUPPACT	P-8A HANGAR	27,826,000	DB
BARSTOW CA MCLB	ENGINE DYNAMOMETER FACILITY	14,998,000	DB
BEAUFORT SC MCAS	REPLACE FUEL DISTRIBUTION FACILITIES	40,600,000	DBB
CAMP LEJEUNE NC MCB	LEJEUNE HIGH SCHOOL ADDITION/RENOVATION	41,306,000	DBB
CAMP LEJEUNE NC MCB	SOF INTEL OPS EXPANSION	11,442,000	DBB
CAMP LEMONNIER DJIBOUTI	CONSTRUCT PERIMETER BOUNDARY - CHABELLEY AIRFIELD, DJIBOUTI	7,600,000	DB
CAMP LEMONNIER DJIBOUTI	ENTRY CONTROL POINT	9,923,000	DBB
CAMP PENDLETON CA MCB	SOF COMMUNICATION / ELECTRONICS MAINTENANCE FACILITY	11,841,000	DBB
CHERRY POINT NC MCAS	WATER TREATMENT PLANT REPLACEMENT	41,588,000	DBB
CORONADO SAN DIEGO CA NAVBASE	SOF LOGSU ONE OPERATIONS FACILITY #1	41,740,000	DB
CORONADO SAN DIEGO CA NAVBASE	SOF SUPPORT ACTIVITY OPERATIONS FACILITY #2	28,600,000	DB
FALLON NV NAS	AIR WING TRAINING FACILITY	27,763,000	DB
FALLON NV NAS	FACILITY ALTERATION FOR F-35 TRAINING MISSION	3,499,000	DB

FY 15 MCON, MCNR, Family Housing, Defense Projects



<u>Location/Installation</u>	<u>Description</u>	<u>Cost</u>	<u>Design Level</u>
FALLON NV NAS	SOF TACTICAL GROUND MOBILITY VEHICLE MAINTENANCE FACILITY	20,241,000	DB
GUANTANAMO BAY NAVSTA	CONSOLIDATE/REPLACE W.T. SAMPSON ELEMENTARY-MIDDLE-HIGH SCHOOL	65,190,000	DBB
GUANTANAMO BAY NAVSTA	Medical Facility Complex	11,800,000	DB
GUANTANAMO BAY NAVSTA	REPLACE FUEL TANKS	11,100,000	DBB
GUANTANAMO BAY NAVSTA	Dining Facility	12,000,000	DBB
GULFPORT MS CBC	SOF NAVSCIATTS APPLIED INSTRUCTION FACILITY	10,323,000	DB
GULFPORT MS CBC	SOF LAND ACQUISITION WESTERN MANEUVER AREA	17,224,000	
IWAKUNI JA MCAS	WHOLEHOUSE REVITALIZATION MIDRISE 656	15,940,000	DB
IWAKUNI JA MCAS	SECURITY MODS DPRI MC167-T (CVW-5 E2D EA-18G)	6,415,000	DB
JACKSONVILLE FL NAS	P-8A RUNWAY THRESHOLDS AND TAXIWAYS	21,652,000	DBB
JACKSONVILLE FL NAS	MH60 PARKING APRON	8,583,000	DBB
KANEOHE MCB HAWAII	ARMORY ADDITION AND RENOVATION	12,952,000	DB
KANEOHE MCB HAWAII	FACILITY MODIFICATIONS FOR VMU, MWSD AND CH53E	51,182,000	DBB
KANEOHE MCB HAWAII	ROAD & INFRASTRUCTURE IMPROVEMENTS	2,200,000	DB
KINGS BAY GA SUBASE	NUCLEAR POWER OPERATIONAL SUPPORT FACILITY	35,716,000	DBB
KITSAP WA NAVBASE	INTEGRATED WATER TREATMENT SYSTEM DD 1, 2 & 5	16,401,000	DBB
KITSAP WA NAVBASE	EXPLOSIVES HANDLING WHARF #2 - INC 4	83,778,000	DBB
KITSAP WA NAVBASE	TPS PORT ANGELES FORWARD OPERATING LOCATION	20,638,000	DBB
LEMOORE CA NAS	REPLACE FUEL STORAGE AND DISTRIBUTION FACILITIES	52,500,000	DBB
LEMOORE CA NAS	F-35C OPERATIONAL TRAINING FACILITY	22,391,000	DBB
LEMOORE CA NAS	F-35C FACILITY ADDITION AND MODIFICATION	16,594,000	DBB

FY 15 MCON, MCNR, Family Housing, Defense Projects



<u>Location/Installation</u>	<u>Description</u>	<u>Cost</u>	<u>Design Level</u>
LITTLE CREEK FS VA JNTEXPBASE	EOD CONSOLIDATED OPS AND LOGISTICS FACILITIES	39,274,000	DB
LITTLE CREEK FS VA JNTEXPBASE	QDR SOF MOBILE COMMUNICATIONS DET SUPPORT FACILITY	13,500,000	DB
LITTLE CREEK FS VA JNTEXPBASE	SOF INDOOR DYNAMIC RANGE	14,888,000	DB
MAYPORT FL NAVSTA	LCS OPERATIONAL TRAINING FACILITY	20,520,000	DB
MECHANICSBURG PA NAVSUPPACT	OHIO REPLACEMENT POWER & PROPULSION FACILITY	23,985,000	DBB
NAS FORT WORTH JRB TX	EXPLOSIVE ORDNANCE DISPOSAL FACILITY	3,700,000	DBB
NORFOLK VA NAVSTA	REPLACE AND ALTER FUEL DISTRIBUTION FACILITIES	36,500,000	DBB
NORFOLK VA NAVSUPPACT NORFOLK NSY	SUBMARINE MAINTENANCE FACILITY	9,743,000	DB
OKINAWA JA MCB CAMP S D BUTLER	HANGAR & RINSE FACILITY MODERNIZATIONS	4,639,000	DBB
OKINAWA JA MCB CAMP S D BUTLER	LHD PRACTICE SITE IMPROVEMENTS	35,685,000	DBB
OKINAWA JA MCB CAMP S D BUTLER	AIRCRAFT MAINT HANGAR ALTERATIONS AND SAP-F	19,411,000	DBB
PATUXENT RIVER MD NAS	ATLANTIC TEST RANGE FACILITY	9,860,000	DB
PEARL HARBOR HI JBPHH	SUBMARINE MANEUVERING ROOM TRAINER FACILITY	9,698,000	DB
PEARL HARBOR HI JBPHH	UPGRADE FIRE SUPPRESSION AND VENTILATION SYSTEM	49,900,000	DBB
PEARL HARBOR HI JBPHH	REPLACE JPTS FUEL TANKS	3,000,000	DBB
PITTSBURGH PA MARCORRESFOR	RESERVE TRAINING CENTER - PITTSBURGH, PA	17,650,000	DBB
QUANTICO VA MARINE CORPS BASE	AMMUNITION SUPPLY POINT EXPANSION	12,613,000	DBB
ROTA SP NAVSTA	SHIP BERTHING POWER UPGRADES	20,233,000	DBB
SAN DIEGO NAVBASE	STEAM DISTRIBUTION SYSTEM DECENTRALIZATION	47,110,000	DB
SOUTH POTOMAC NAVSUPPACT	ADVANCED ENERGETICS RESEARCH LAB COMPLEX, PHASE 2	15,346,000	DB
SOUTH POTOMAC NAVSUPPACT	MISSILE SUPPORT FACILITY	27,313,000	DB

FY 15 MCON, MCNR, Family Housing, Defense Projects



<u>Location/Installation</u>	<u>Description</u>	<u>Cost</u>	<u>Design Level</u>
SPAIN MORON AB	DEMO/CONSOLID VEH OPS SHOP, ADMIN & GOV PK LOT (MORON)	2,649,000	DB
TWENTYNINE PALMS CA MCAGCC	CAMP WILSON INFRASTRUCTURE UPGRADES	33,437,000	DB
TWENTYNINE PALMS CA MCAGCC	E-LMR SLICE COMMUNICATION TOWERS	16,180,000	DB
WASHINGTON DC NRL	ELECTRONICS SCIENCE AND TECHNOLOGY LABORATORY	31,735,000	DBB
WHIDBEY ISLAND WA NAS	C-40 RESERVE MAINTENANCE HANGAR	27,755,000	DBB
WHIDBEY ISLAND WA NAS	P-8A AIRCRAFT APRON AND SUPPORTING FACILITIES	24,390,000	DBB
YORKTOWN VA NWS	BACHELOR ENLISTED QUARTERS	19,152,000	DB
YORKTOWN VA NWS	FAST COMPANY TRAINING FACILITY	7,836,000	DBB
YUMA AZ MCAS	AVIATION MAINTENANCE AND SUPPORT COMPLEX	16,608,000	DBB

FY 16 MCON, MCNR, Family Housing, Defense Projects



<u>Location/Installation</u>	<u>Description</u>	<u>Cost</u>	<u>Design Level</u>
ALBANY GA MCLB	ENERGY - GROUND SOURCE HEAT PUMPS	7,851,000	DBB
ANDERSEN GUAM US NAVSUPACT	APR - DISPERSED MAINTENANCE SPARES AND SE STORAGE FACILITY	19,000,000	DB
ANDERSEN GUAM US NAVSUPACT	LOW OBSERVABLE/CORROSION CNTRL/CMPOSIT REPR SHOP	34,400,000	DBB
ANDERSEN GUAM US NAVSUPACT	PAR SOUTH RAMP UTILITIES PHASE 2	7,100,000	DBB
ANDERSEN GUAM US NAVSUPACT	PRTC ROADS	2,500,000	DB
ANDERSEN GUAM US NAVSUPACT	MUNICIPAL SOLID WATE LANDFILL CLOSURE	10,777,000	DBB
ANDERSEN GUAM US NAVSUPACT	LIVE-FIRE TRAINING RANGE COMPLEX (NW FIELD)	125,677,000	DB
BAHRAIN NAVSUPPACT	SHIP MAINTENANCE SUPPORT FACILITY	52,091,000	DB
BAHRAIN NAVSUPPACT	MINA SALMAN PIER REPLACEMENT	37,700,000	DB
BARKING SANDS HI CNI PMRF HAWREA	ENERGY - PMRF POWER GRID CONSOLIDATION	30,623,000	DB
BEAUFORT PI SC MCRD	RANGE ENTRAPMENT BERMS, PHASE 1	27,075,000	DBB
BEAUFORT SC MCAS	TOWNSEND BOMBING RANGE ACQUISITION, PHASE 2	48,279,000	DB
BROOKLYN NY HDQTRS 4TH MARDIV	RESERVE CENTER STORAGE FACILITY	2,479,000	DBB
CAMP LEJEUNE NC MCB	2nd Radio Bn Complex, Phase 1	50,557,000	DBB
CAMP LEJEUNE NC MCB	SIMULATOR INTEGRATION/RANGE CONTROL FACILITY	54,849,000	DB
CAMP LEJEUNE NC MCB	RADAR AIR TRAFFIC CONTROL FACILITY	4,918,000	DBB
CAMP LEJEUNE NC MCB	OPERATIONAL TRAINER FACILITY	3,312,000	DBB
CAMP LEJEUNE NC MCB	SOF MARINE BATTALION COMPANY/TEAM FACILITIES	55,613,000	DBB
CAMP LEJEUNE NC MCB	SOF COMBAT SERVICE SUPPORT FACILITY	14,200,000	DBB
CAMP LEMONNIER DJIBOUTI	CONSTRUCT FUEL STORAGE FACILITIES	43,700,000	DBB
CAMP PENDLETON CA MCB	RAW WATER PIPELINE IN SUPPORT OF PL 111-11	44,540,000	DBB

FY 16 MCON, MCNR, Family Housing, Defense Projects



<u>Location/Installation</u>	<u>Description</u>	<u>Cost</u>	<u>Design Level</u>
CAMP PENDLETON CA MCB	SOF COMBAT SERVICE SUPPORT FACILITY	10,300,000	DBB
CAMP PENDLETON CA MCB	SOF PERFORMANCE RESILIENCY CENTER - WEST	10,492,000	DBB
CHERRY POINT NC MCAS	UNMANNED AIRCRAFT SYSTEM FACILITIES EXPANSION	29,657,000	DB
CHERRY POINT NC MCAS	KC 130J EACTS FACILITY	4,769,000	DBB
CORONADO SAN DIEGO CA NAVBASE	SOCOM COASTAL CAMPUS UTILITIES, PHASE 1	4,856,000	DBB
CORONADO SAN DIEGO CA NAVBASE	LOGSU One Operations Facility #2	47,218,000	
CORPUS CHRISTI TX NAS	Powertrain - Transmissions Subassembly	82,000,000	DBB
CRANE IN NAVSUPACT	Ammunition Production, Shipping & Receiving	21,000,000	DBB
FALLON NV NAS	MOVE TO FALLON AFB, NOSC RENO NV	11,480,000	DB
GUAM NAVBASE	SANITARY SEWER SYSTEM RECAPITALIZATION	45,314,000	DB
INDIAN ISLAND WA CNI NAVMAG	AMMUNITION PIER SHORE POWER	4,472,000	DBB
IWAKUNI JA MCAS	WHOLEHOUSE REVITALIZATION MONZEN TOWNHOUSES PHASE 3	7,857,000	
IWAKUNI JA MCAS	SECURITY MODS DPRI MC158-T (CVW-5 OPS TRNG FAC)	8,716,000	DBB
IWAKUNI JA MCAS	SECURITY MODS FOR MC159-T CVW-5 HEADQUARTERS	9,207,000	DBB
JACKSONVILLE FL NAS	FLEET SUPPORT FACILITY ADDITION	8,455,000	DBB
JACKSONVILLE FL NAS	TRITON MISSION CONTROL FACILITY	8,296,000	DBB
KANEOHE MCB HAWAII	P-8A DETACHMENT SUPPORT FACILITIES	12,429,000	DB
KANEOHE MCB HAWAII	Medical/Dental Clinic Replacement	124,400,000	DBB
KANEOHE MCB HAWAII	AIRFIELD LIGHTING MODERNIZATION	26,097,000	DBB
KANEOHE MCB HAWAII	BACHELOR ENLISTED QUARTERS	68,092,000	DB
KINGS BAY GA SUBASE	ENERGY - INDUSTRIAL CONTROL SYSTEM INFRASTRUCTURE	8,099,000	DB

FY 16 MCON, MCNR, Family Housing, Defense Projects



<u>Location/Installation</u>	<u>Description</u>	<u>Cost</u>	<u>Design Level</u>
KITSAP WA NAVBASE	REGIONAL SHIP MAINTENANCE SUPPORT FACILITY	12,753,000	DBB
KITSAP WA NAVBASE	DD6 MODERNIZATION & UTILITY SITE IMPROVEMENTS	22,680,000	DBB
KITSAP WA NAVBASE	WRA LAND/WATER INTERFACE	34,177,000	DBB
LEMOORE CA NAS	TACTS DEBRIEFING FACILITIES	7,146,000	DB
LEMOORE CA NAS	F-35C FRS Facility Addition and Modification	56,497,000	DBB
LEMOORE CA NAS	F-35C Bldg 43 Mods and Pilot Fit Facility	8,187,000	DBB
LITTLE CREEK FS VA JNTEXPBASE	Applied Instruction Facility	23,916,000	DB
MARIANAS GUAM NAVFAC	APR INSTALLATION CONTROL CENTER	22,200,000	DB
MAYPORT FL NAVSTA	LCS MISSION MODULE READINESS CENTER	16,159,000	DBB
MECHANICSBURG PA NAVSUPPACT	REPLACE HEADQUARTERS	49,700,000	DBB
NORFOLK VA NAVSTA	MH60 TRAINING FACILITY	7,134,000	DBB
NORFOLK VA NAVSTA	ENERGY - ELECTRICAL UPGRADES TO PIERS 2, 6, 7 AND 11	44,254,000	DB
NORFOLK VA NAVSTA	COMMUNICATION CENTER REPLACEMENT	75,289,000	DBB
NORFOLK VA NAVSUPPACT NORFOLK NSY	ENERGY - WATERFRONT UTILITIES	45,513,000	DBB
OCEANA VA NAS	RESERVE TRAINING CENTER COMPLEX	18,443,000	DB
OCEANA VA NAS	MARITIME SURVEILLANCE SYSTEM FACILITY	23,066,000	DBB
OKINAWA JA MCB CAMP S D BUTLER	MILITARY WORKING DOG COMPLEX	11,697,000	DBB
OKINAWA JA MCB CAMP S D BUTLER	MODERNIZE APRON FOR F-35	23,310,000	DBB
PATUXENT RIVER MD NAS	UNACCOMPANIED HOUSING	40,935,000	DB
PEARL HARBOR HI JBPHH	WELDING SCHOOL SHOP CONSOLIDATION	8,546,000	DB
PEARL HARBOR HI JBPHH	ENERGY - UEM INTERCONNECT STA C TO HICKAM	6,335,000	DB

FY 16 MCON, MCNR, Family Housing, Defense Projects



<u>Location/Installation</u>	<u>Description</u>	<u>Cost</u>	<u>Design Level</u>
PENSACOLA FL NAS	BEQ "A" SCHOOL REPLACEMENT (NTTC)	18,347,000	DB
POINT MUGU CA NAVBASE VENTURA CTY	E-2C/D HANGAR AND APRON ALTERATIONS	19,453,000	DB
POINT MUGU CA NAVBASE VENTURA CTY	TRITON AVIONICS AND FUEL SYSTEM TRAINER	2,974,000	DB
POLAND NAVSUPPFAC	AEGIS ASHORE MISSILE DEFENSE COMPLEX	51,270,000	DBB
QUANTICO VA MARINE CORPS BASE	ATFP GATE	5,840,000	DBB
QUANTICO VA MARINE CORPS BASE	EMBASSY SECURITY GROUP GROWTH	43,941,000	DB
QUANTICO VA MARINE CORPS BASE	ENERGY - ELECTRICAL DISTRIBUTION UPGRADE	8,418,000	DBB
ROTA SP NAVSTA	ROTA ELEMENTARY AND HIGH SCHOOL ADDITIONS	13,737,000	DBB
SAN DIEGO NAVBASE	LCS SUPPORT FACILITY	37,366,000	DB
SIGONELLA IT NAS	AIRCRAFT AND MAINTENANCE HANGAR BAMS	40,641,000	DB
SIGONELLA IT NAS	P-8A HANGAR & TRAINING FACILITIES	62,302,000	DB
TWENTYNINE PALMS CA MCAGCC	ENERGY - MICROGRID EXPANSION	9,160,000	DBB
WALLOPS ISLAND VA JEBLCFS	SKEETER LANE RENOVATION & CONVERSION	3,658,000	DBB
WALLOPS ISLAND VA JEBLCFS	CONSTRUCT HOUSING WELCOME CENTER	438,000	DBB
WHITING FLD MILTON FL NAS	T-6B JPATS TRAINING OPERATIONS FACILITY	10,421,000	DBB
YOKOSUKA JA COMFLEACT	CHILD DEVELOPMENT CENTER	13,846,000	DB
YUMA AZ MCAS	MAWTS -1 CALA MAINTENANCE FACILITY	50,635,000	DBB

Questions?



Energy & Sustainability Performance Pilot Results



- **Are we seeing the facility performance improvements from our sustainability criteria?**
- **NAVFAC completed performance pilot in 2014**
 - Analyzed 4 pairs of comparable buildings, within same climate location
 - Completed 5-7 years apart (new criteria vs. old criteria)
 - Compared facilities using standard performance units
 - Energy Use Intensity (EUI): kBtu/SF/Yr
 - Water Use Intensity (WUI): gal/SF/Yr
 - Maintenance Cost Intensity: \$/SF/Yr
- **Analysis**
 - Energy:
 - Majority (63%) of buildings outperformed final design target EUI
 - All (100%) of newer buildings were more efficient than older buildings
 - Water:
 - All (100%) of newer buildings used less water than older buildings
 - Maintenance Cost:
 - Majority (75%) of newer buildings cost less to maintain than older buildings

Construction Partnering

Partnering Tool Kit (Resources)




Browser address bar: <https://totalforcetraining.navfac.navy.mil/na> B-1.6.3 Construction Partnering NAVFAC - Informal Partneri...


INFORMAL PARTNERING FACILITATION

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SKIP



 **Play All Chapters**
(24:34) Play: [CONUS](#) | [OCONUS](#)

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[View Informal Partnering Portfolio](#)
[View Informal Partnering Toolkit](#)

Play Individual Chapters

 Partnering - A Message from the Chief Engineer (2:48) Play: CONUS OCONUS	 Sustaining the Partnership (1:42) Play: CONUS OCONUS
 Welcome Introduction & Partnering Basics (5:38) Play: CONUS OCONUS	 Project Issues & Opportunities (6:01) Play: CONUS OCONUS
 Project Overview & Partnering Goals (2:56) Play: CONUS OCONUS	 Project Charter & Closing Remarks (3:23) Play: CONUS OCONUS
 Disputes Resolution Process (3:15) Play: CONUS OCONUS	